

3/19/1 DIALOG(R)File 351:Derwent WPI (c) 2004 Thomson Derwent. All rts. reserv.

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Hip prosthesis without using bone cement - has shank made  
with posterior surface projection and distal end wedging ring

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Number of Countries: 017 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
FR 2725617	A1	19960419	FR 9412177	A	19941012	199623 B
EP 711534	A1	19960515	EP 95402198	A	19950929	199624
EP 711534	B1	20000119	EP 95402198	A	19950929	200009
DE 69514621	E	20000224	DE 614621	A	19950929	200017
			EP 95402198	A	19950929	
ES 2144112	T3	20000601	EP 95402198	A	19950929	200033

Priority Applications (No Type Date): FR 9412177 A 19941012

Cited Patents: EP 363151; EP 95440; FR 2661328; US 4718909; WO 9103992; WO  
9412122

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
FR 2725617	A1	14	A61F-002/36		
EP 711534	A1 F	8	A61F-002/36		

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NL PT SE

DE 69514621 E A61F-002/36 Based on patent EP 711534

ES 2144112 T3 A61F-002/36 Based on patent EP 711534

Abstract (Basic): FR 2725617 A

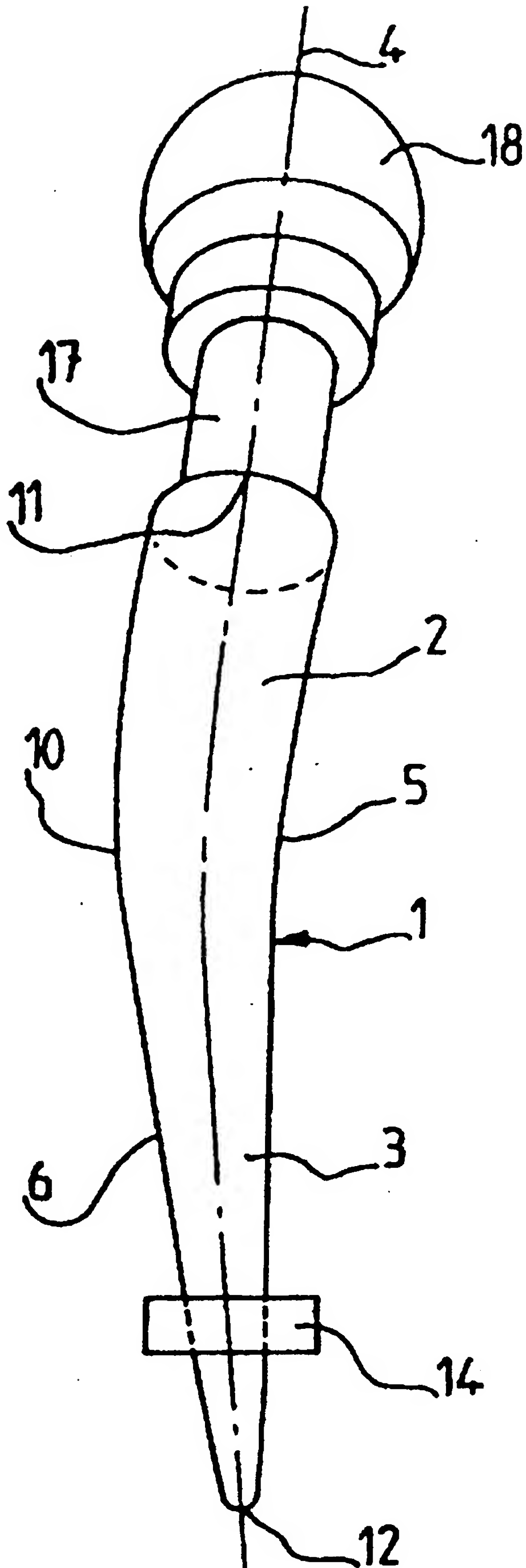
The prosthesis has a shank (1) with a broad upper end (2) tapering towards its tip (12), and is equipped with a distal centering element (14) of a resorbable material. The shank also has a wedging projection (10) on its rear surface to engage with the rear inner surface of the femur. From a sagittal viewpoint the projection has a radius of curvature which is equivalent to approximately one third of the radius of curvature of the shank's rear face.

The centering element (14) is in the form of a ring with an inner diameter sized so that it fits at a point 15 +/- 2 mm above the tip of the shank. Its aperture tapers at an angle of 15 +/- 2 degrees, and it is 5 +/- 1 mm thick. The ring's outer diameter is between 12 and 32 mm, and it has at least one peripheral recess.

ADVANTAGE - Reliable centering and fixing of shank inside femoral canal.

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Title Terms: HIP; PROSTHESIS; BONE; CEMENT; SHANK; MADE; POSTERIOR; SURFACE  
; PROJECT; DISTAL; END; WEDGE; RING

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International Patent Class (Additional): A61F-002/30

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